

REMARKS

Claims 1-23 are pending. Favorable reconsideration is respectfully requested.

The rejection of Claims 1-3 under 35 U.S.C. § 103(a) over Numata et al in view of JP 07331172A and Hanson et al should be withdrawn for the following reasons.

The claimed invention relates to a glassy-film forming coating agent containing compounds 1-3, which are represented by the general formulae:



The cited references fail to disclose or suggest the claimed glassy-film forming coating agent. More specifically, Numata et al in view of JP 07331172A and Hanson et al fail to disclose or suggest a glassy-film forming coating agent containing the compound (2) represented by the formula $\text{R}^2(\text{OSi}(\text{OR}^2)_2)_q\text{OR}^2$. Therefore, all the claim limitations of the present invention are not disclosed or suggested by the references of record, and withdrawal of this ground of rejection is respectfully requested.

Numata et al discloses polysiloxanes made by polymerizing a trifunctional silicon alkoxide with a bifunctional silicon alkoxide which have the formula $\text{R}_2\text{Si}(\text{OR}')_2$ (See column 3, lines 49-53). However, as the Examiner correctly notes, Numata et al fails to disclose or suggest the use of metal alkoxides with polysiloxanes or metal alkoxides with siloxanes (see page 4, paragraph 9, lines 4-6 of the Office Action). Further, Numata et al fails to disclose or suggest a coating agent having the claimed compound (2) $\text{R}^2(\text{OSi}(\text{OR}^2)_2)_q\text{OR}^2$.

JP 07331172A discloses a liquid composed of two components where the first component is a polysiloxane obtained by hydrolyzing compound having formula $R_xSi(OR')_{4-x}$ and the second component being a metal alkoxide having formula $M(OR'')_m$ (see the attached English Abstract obtained from the EPO database). JP 07331172A fails to disclose or suggest a coating agent having the claimed compound (2) $R^2(OSi(OR^2)_2)_qOR^2$.

Hanson et al describes a polyorganoalkoxysilane-metal oxide sol-gel coating composition which is made by reacting an organoalkoxysilane of the general formula $R_xSi(OR')_{4-x}$ and a metal alkoxide, where the metal is titanium (See column 2, lines 1-48). Hanson et al fails to disclose or suggest a coating agent having the claimed compound (2) $R^2(OSi(OR^2)_2)_qOR^2$.

Numata et al in view of JP 07331172A and Hanson et al fail to disclose or suggest a coating agent containing compounds (1), (3) and the compound (2) $R^2(OSi(OR^2)_2)_qOR^2$. Therefore, the present claims can not be obvious in view of Numata et al in view of JP 07331172A and Hanson et al, and as such withdrawal of this ground of rejection is respectfully requested.

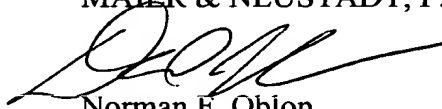
The objection of Claims 4-6 is believed to be obviated by the amendment submitted above.

The objection to the Abstract of the Disclosure is believed to be obviated by the submission of the attached substitute Abstract of the Disclosure.

Applicants respectfully submit that the present application is now in condition for allowance. Favorable reconsideration is respectfully requested.

Respectfully submitted,

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IN THE ABSTRACT OF THE DISCLOSURE

--At page 35, please delete the Abstract of the Disclosure in its entirety and replace it with the Substitute Abstract of the Disclosure attached hereto.--

IN THE CLAIMS

Please amend the claims as follows:

- 3. (Amended) The coating agent according to claim 1 [or 2], further comprising a polymerization initiator.
4. (Amended) The coating agent according to [any of claims 1 to 3] claim 1, further comprising an organic pigment, a dispersant and a solvent.
5. (Amended) The coating agent according to [any of claims 1 to 4] claim 1, wherein R^1 is an organic group having unsaturated double bond.
6. (Amended) The coating agent according to [any of claims 1 to 5] claim 1, wherein R^1 is a vinyl or γ -methacryloxypropyl group, R^2 is methyl or ethyl group, R^3 is ethyl, methyl, isopropyl or butyl group, and M is Ti, Zr or Al.--
- Claims 22-23 are new.--

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ABSTRACT OF THE DISCLOSURE

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The present invention relates to a a glassy-film forming coating agent, a method of coating a substrate with the a glassy-film forming coating agent, a bottle coated with the glassy-film forming coating agent, and a coating system for coating a substrate with the glassy-film forming coating agent.

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